

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION  
OFFICE OF THE STATE FIRE MARSHAL  
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM  
**LISTING SERVICE**

**LISTING No.** 7210-1532:109 Page 1 of 1

**CATEGORY:** Flame Detector

**LISTEE:** Thorn Security Ltd., Security House, The Summit, Hanworth Rd.,  
Sunbury-on-Thames, Middlesex TW6 5DB, England  
Contact: Paul Mattern (978) 731-8542

**DESIGN:** Models S232f<sup>+</sup>, S252f<sup>+</sup> and S262f<sup>+</sup> Dual Infrared (IR) flame detector. The S232f<sup>+</sup> is a conventional two-wire detector, the S252f<sup>+</sup> is an analog addressable version. Both models are compatible with Grinnell's separately listed fire alarm control units. The S262f<sup>+</sup> operates from 15-28 VDC via connection to a compatible fire alarm control panel providing separate power circuits and latching initiating device circuits. Refer to listee's data sheet for additional detailed product description, electrical rating and operational considerations.

**INSTALLATION:** In accordance with listee's printed installation instructions, applicable codes & ordinances and in a manner acceptable to the authority having jurisdiction.

**MARKING:** Listee's name, model number, electrical rating and FM label.

**APPROVAL:** Listed as IR flame detector with separately listed compatible fire alarm control units. Suitable for indoor and outdoor use, in ambient temperature from -40° to 176° F. For explosion proof, suitable for use in Class I, Division 1, Groups B, C and D; and dust ignition proof, suitable for use in Class II and III, Division 1, Group E, F, and G hazardous locations.

04-16-2002 BH



This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: **JUNE 15, 2002**

*Listing Expires **June 30, 2003***

Authorized By: **DIANE K. AREND**, Senior Deputy  
Program Manager